

DEPARTMENT OF TRANSPORTATION

RESEARCH REPORT NO. 22
RESULTS SEAT BELT SURVEY
MAR. 28, 1983

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Planning and Research
March 1983

SUMMARY

This month's Seat Belt Survey Report, Research Report No. 22, was conducted on March 28, 1983, which showed a Provincial Average wearing rate of 75.3%, which is up from last month's wearing rate of 73.9%. The percentage of child seats was 2.8% up from last month's 2.2%. A total of 2,729 vehicles were surveyed, which is down from last month.

This month's survey shows an increase in wearing rate over December. This is the second survey period which has shown an increase since Mandatory use of Seat Belts became law on July 1, 1982.

From December 1 - March 31 the RNC issued 1013 tickets for non-compliance with the legislation.

Education was continuing at various community organizations and institutions.

The upward trend in wearing rates can be attributed to the enforcement agencies hard work in enforcing this law. The increase in tickets issued parallels the increase in seat belt usage. If these figures continue Newfoundland will continue to show the highest seat belt use rate in Canada and have the lowest fatality rate.

6. Avalon Mall, 12:00 to 13:00, E. Murray. The March survey, Table 9, indicates an increase in seat belt use to 69.3% from the December value of 68.6%. Female drivers are more serious about seat belt use.
7. Atlantic Place, Entrance 08:30 - 09:30, T. Beckett.
The March survey, Table 10, has increased to 78.0% from a December seat belt wearing rate of 73.7%. Male drivers (16-24) are more serious about seat belt use.
8. Atlantic Place, Exist, 15:30 to 16:30, T. Beckett.
The March survey, Table 11, shows a decrease in seat belt use to 79.6% from the December value of 69.6%. All drivers are serious about seat belt use.
9. Janeway Hospital, 14:00 to 15:00, E. Murray. The March survey, Table 12, indicates a decrease in seat belt use of 69.4% from the December value of 65.6%. Female drivers are more serious about seat belt use.
10. Bay Roberts Mall, 11:30 to 12:30, G. Jerrett. The March survey, Table 13, in the rural community indicates an increase in seat belt use to 77.0% from the December value of 64.5%. This indicates a continuing increase since September in this area.
11. Clareville, 11:30 - 12:30, W. Wiseman. The March survey, Table 14, shows an increase in seat belt use to 72.2% from the December rate of 64.4%. Female drivers appear to be more serious about seat belt usage.
12. Cromer Avenue, Grand Falls, 14:30 - 15:30, R. Pynn.
The March survey, Table 15, has decreased to 60.0% from the December seat belt wearing rate at 69.2%. Female drivers appear to be more serious about seat belt use.

SPECIFIC SURVEYS

1. Foxtrap Access to Trans Canada Highway, 07:30 to 08:30, R. Pottle. The March survey, Table 4, indicates an increase in seat belt use to 91.8% from the December value of 87.8%. All drivers are serious about seat belt use.
2. Roaches Line Access to Trans Canada Highway, 07:00 to 08:00, G. Jerrett. The March survey, Table 5, indicates an increase in seat belt use to 82.6% from the December value of 73.6%. All drivers are serious about seat belt use.
3. Harbour Arterial Ramp to Water Street, 08:30 to 09:30, B. Hillier. Data shown on Table 6 reveal a March decline in seat belt use of 91.0% from the December value of 93.1%. Seat Belt use is taken seriously by the majority of these surveyed.
4. Village Mall, 10:00 to 11:00, E. Murray. The March survey, Table 7, indicates an increase in seat belt use of 67.6% from the December value of 64.5%. Female drivers (25-44 and 44-65) are more serious about seat belt use.
5. Hotel Newfoundland, 08:30 to 09:30, D. Shea. The March survey, Table 8, indicates a decline in seat belt use to 76.6% from the December value of 87.7%. All drivers are serious about seat belt use. The probable reason for the decline in usage at this location is due to the erection of the new hotel, thus resulting in different positions while taking the survey and the resulting changes in the traffic flow.

STATISTICAL TABLES

March 28, 1983

NOTE: Statistical Tables for previous months can be obtained upon request.

Table 1
March 28, 1983

SEAT BELT SURVEY

PROVINCIAL AVERAGE

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>
16-24	150	126	276
25-44	807	420	1227
45-64	390	103	493
65+	52	8	60
TOTAL	1399	657	2056

Child Seats = 69

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>
16-24	43	24	67
25-44	313	98	411
45-64	157	20	177
65+	17	1	18
TOTAL	530	143	673

Child Seats = 7

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>
16-24	77.7	84.0	80.5
25-44	72.1	81.1	74.9
45-64	71.3	83.7	73.6
65+	77.6	88.9	76.9
TOTAL	72.5	82.1	75.3

Child Seats = 2.8%

Table 2
March 28, 1983

SEAT BELT SURVEY

URBAN AVERAGE

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 23
16-24	85	77	162	
25-44	581	363	944	
45-64	330	102	432	
65+	50	7	57	
TOTAL	1046	549	1595	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 4
16-24	33	19	52	
25-44	282	95	377	
45-64	151	20	171	
65+	16	1	17	
TOTAL	482	135	617	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 1.2%
16-24	72.0	80.2	75.7	
25-44	67.3	79.3	71.5	
45-64	68.6	83.6	71.6	
65+	75.8	87.5	77.0	
TOTAL	68.5	80.3	72.1	

Table 3
March 28, 1983

SEAT BELT SURVEY

HIGHWAY AVERAGE

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>
16-24	65	49	114
25-44	226	57	283
45-64	60	1	61
65+	2	1	3
TOTAL	353	108	461

Child Seats = 46

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>
16-24	10	5	15
25-44	31	3	34
45-64	6	-	6
65+	1	-	1
TOTAL	48	8	56

Child Seats = 3

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>
16-24	86.7	90.7	88.4
25-44	87.9	95.0	89.3
45-64	90.9	100.0	91.0
65+	66.6	100.0	75.0
TOTAL	88.0	93.1	89.2

Child Seats = 9.5%

Table 4
March 28, 1983
07:30 - 08:30

SEAT BELT SURVEY

AREA: INTERSECTION FOXTRAP ACCESS & TCH

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 18
16-24	25	12	37	
25-44	111	32	143	
45-64	11	-	11	
65+	-	-	-	
TOTAL	147	44	191	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 1
16-24	2	1	3	
25-44	11	1	12	
45-64	1	-	1	
65+	1	-	1	
TOTAL	15	2	17	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 9.1%
16-24	92.6	92.3	92.5	
25-44	91.0	97.0	92.3	
45-64	91.7	-	91.7	
65+	100.0	-	100.0	
TOTAL	90.7	95.7	91.8	

Table 5
 March 28, 1983
 07:00 - 08:00

SEAT BELT SURVEY

AREA: ROACHES LINE

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 4
16-24	8	4	12	
25-44	46	6	52	
45-64	41	1	42	
65+	2	1	3	
TOTAL	97	12	109	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	6	2	8	
25-44	9	1	10	
45-64	5	-	5	
65+	-	-	-	
TOTAL	20	3	23	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 3.0%
16-24	57.1	66.7	60.0	
25-44	83.6	85.7	83.9	
45-64	89.1	100.0	89.4	
65+	100.0	100.0	100.0	
TOTAL	82.9	80.0	82.6	

Table 6
March 28, 1981
8:30 - 9:30

SEAT BELT SURVEY

AREA: HARBOUR ARTERIAL

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 24
16-24	32	33	65	
25-44	69	19	88	
45-64	8	-	8	
65+	-	-	-	
TOTAL	109	52	161	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 2
16-24	2	2	4	
25-44	11	1	12	
45-64	-	-	-	
65+	-	-	-	
TOTAL	13	3	16	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 1.5%
16-24	94.1	94.3	94.2	
25-44	86.3	95.0	88.0	
45-64	100.0	-	100.0	
65+	-	-	-	
TOTAL	89.3	94.5	91.0	

Table 7
 March 28, 1983
 10:00 - 11:00

SEAT BELT SURVEY

AREA: VILLAGE MALL

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	14	12	26	
25-44	48	70	118	
45-64	47	20	67	
65+	8	0	8	
TOTAL	117	102	219	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	7	6	13	
25-44	36	16	52	
45-64	30	5	35	
65+	4	1	5	
TOTAL	77	28	105	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	66.7	66.7	66.7	
25-44	57.1	81.4	69.4	
45-64	61.0	80.0	65.7	
65+	66.7	0.0	61.5	
TOTAL	60.3	78.5	67.6	

Table 8
March 28, 1983
8:30 - 9:30

SEAT BELT SURVEY

AREA: HOTEL NEWFOUNDLAND

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	1	-	1	
25-44	127	65	192	
45-64	50	18	68	
65+	1	-	1	
TOTAL	179	83	262	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	-	-	-	
25-44	55	13	68	
45-64	9	3	12	
65+	-	-	-	
TOTAL	64	16	80	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	100.0	-	100.0	
25-44	69.8	83.3	73.8	
45-64	84.7	85.7	85.0	
65+	100.0	-	100.0	
TOTAL	73.7	83.8	76.6	

Table 9
March 28, 1983
12:00 - 13:00

SEAT BELT SURVEY

AREA: AVALON MALL

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 2
16-24	22	15	37	
25-44	104	69	173	
45-64	79	18	97	
65+	13	3	16	
TOTAL	218	105	323	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	7	2	9	
25-44	74	21	95	
45-64	32	3	35	
65+	4	0	4	
TOTAL	117	26	143	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0.4%
16-24	75.9	88.2	77.1	
25-44	58.4	76.7	64.6	
45-64	71.2	85.7	73.5	
65+	76.5	100.0	80.0	
TOTAL	65.1	80.2	69.3	

Table 10
March 28, 1983
8:30 - 9:30

SEAT BELT SURVEY

AREA: ATLANTIC PLACE ENTRANCE

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 10
16-24	16	9	25	
25-44	67	25	92	
45-64	10	4	14	
65+	-	-	-	
TOTAL	93	38	131	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 1
16-24	1	3	4	
25-44	14	12	26	
45-64	6	1	7	
65+	-	-	-	
TOTAL	21	16	37	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 6.5%
16-24	94.1	75.0	86.2	
25-44	82.7	67.6	77.9	
45-64	62.5	80.0	66.7	
65+	-	-	-	
TOTAL	81.6	70.4	78.0	

Table 11
March 28, 1983
 15:30 - 16:30

SEAT BELT SURVEY

AREA: ATLANTIC PLACE EXIT

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 5
16-24	7	5	12	
25-44	41	19	60	
45-64	8	5	13	
65+	1	-	1	
TOTAL	57	29	86	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 2
16-24	3	3	6	
25-44	6	4	10	
45-64	6	-	6	
65+	-	-	-	
TOTAL	15	7	22	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 6.5%
16-24	70.0	62.5	66.7	
25-44	87.2	82.6	85.7	
45-64	57.1	100.0	68.4	
65+	100.0	-	100.0	
TOTAL	79.2	80.6	79.6	

Table 12
 March 28, 1983
 14:00 - 15:00

SEAT BELT SURVEY

AREA: JANEWAY HOSPITAL

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 1
16-24	3	4	7	
25-44	67	33	100	
45-64	38	10	48	
65+	5	3	8	
TOTAL	113	50	163	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	4	1	5	
25-44	35	15	50	
45-64	12	3	15	
65+	2	0	2	
TOTAL	53	19	72	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0.4%
16-24	42.9	80.0	58.3	
25-44	65.7	68.8	66.7	
45-64	76.0	76.9	76.2	
65+	71.4	100.0	80.0	
TOTAL	68.1	72.5	69.4	

Table 13
 March 28, 1983
 11:30 - 12:30

SEAT BELT SURVEY

AREA: BAY ROBERTS

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 5
16-24	10	15	25	
25-44	51	33	84	
45-64	53	19	72	
65+	16	1	17	
TOTAL	130	68	198	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 1
16-24	3	1	4	
25-44	10	7	17	
45-64	32	2	34	
65+	4	-	4	
TOTAL	49	10	59	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 2.3%
16-24	76.9	93.8	86.2	
25-44	83.6	82.5	83.2	
45-64	62.4	90.5	67.9	
65+	80.0	100.0	81.0	
TOTAL	72.6	87.2	77.0	

SEAT BELT SURVEY

Table 14
March 28, 1983
10:30 - 11:30

AREA: CLARENVILLE

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	6	10	16	
25-44	57	38	95	
45-64	33	3	36	
65+	6	-	6	
TOTAL	102	51	153	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	5	1	6	
25-44	33	3	36	
45-64	13	3	16	
65+	1	-	1	
TOTAL	52	7	59	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	54.5	90.9	72.7	
25-44	63.3	92.7	72.5	
45-64	71.7	50.0	69.2	
65+	85.7	0.0	85.7	
TOTAL	66.2	87.9	72.2	

Table 15
March 28, 1983
3:30 - 4:30

SEAT BELT SURVEY

AREA: GRAND FALLS

SHOWING USE OF SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	6	7	13	
25-44	19	11	30	
45-64	12	5	17	
65+	-	-	-	
TOTAL	37	23	60	

NOT USING SHOULDER HARNESS

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	3	2	5	
25-44	19	4	23	
45-64	11	-	11	
65+	1	-	1	
TOTAL	34	6	40	

WEARING PERCENTAGE

	<u>Male</u>	<u>Female</u>	<u>Total</u>	Child Seats = 0
16-24	66.7	77.8	72.2	
25-44	50.0	73.3	56.6	
45-64	52.2	100.0	60.7	
65+	0.0	-	0.0	
TOTAL	52.1	79.3	60.0	

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POOR

QUALITY

ORIGINAL